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# **SEQUENCE LISTINGS**

5 The following sequences are presented:

SEQ ID No. 1 = murine amino acid sequence

SEQ ID No. 2 = murine coding nucleotide sequence

SEQ ID No. 3 = truncated human amino acid sequence

SEQ ID No. 4 = truncated human coding nucleotide sequence

SEQ ID No. 5 = human amino acid sequence

SEQ ID No. 6 = human coding nucleotide sequence

SEQ ID No. 7 = murine cDNA sequence

SEQ ID No. 8 = truncated human cDNA sequence

SEQ ID No. 9 = Formula I

(It is to be noted that in the above text, references to SEQ ID No. 2 are equally applicable to SEQ ID No. 7. Also, references to SEQ ID No. 4 or SEQ ID No. 6 are equally applicable to SEQ ID No. 8.)



### PC10315AGPR SEQ ID No. 1

MSCLMVERCGEVLFESPEQSVKCVCMLGDVRLRGQTGVPAERRGSYPFIDFRLLNNTTHSGEIGTKKKVK 70
RLLSFQRYFHASRLLRGIIPQAPLHLLDEDYLGQARHMLSKVGTWDFDIFLFDRLTNGNSLVTLLCHLFN 140
SHGLIHHFKLDMVTLHRFLVMVQEDYHGHNPYHNAVHAADVTQAMHCYLKEPKLASFLTPLDIMLGLLAA 210
AAHDVDHPGVNQPFLIKTNHHLANLYQNMSVLENHHWRSTIGMLRESRLLAHLPKEMTQDIEQQLGSLIL 280
ATDINRQNEFLTRLKAHLHNKDLRLENVQDRHFMLQIALKCADICNPCRIWEMSKQWSERVCEEFYRQGD 350
LEQKFELEISPLCNQQKDSIPSIQIGFMTYIVEPLFREWARFTGNSTLSENMLSHLAHNKAQWKSLLSNQ 420
HRRRGSGQDLAGPAPETLEQTEGATP 446

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### SEQ ID No. 2

start

**ATG**TCTTGTTTAATGGTTGAGAGGTGTGGCGAAGTCTTGTTTGAGAGCCCTGAACAGAGTGTCAAA TGTGTTTGCATGCTAGGAGATGTACGACTAAGGGGTCAGACGGGGGTTCCTGCCGAACGCCGTGGCTCCT ACCCATTCATTGACTTCCGTCTACTTAACAATACAACACTCAGGGGAAATTGGCACCAAGAAAAAGGT GAAACGACTGTTAAGTTTCCAAAGATACTTCCATGCATCTAGGCTTCTCCGGGGGGATTATACCGCAGGCC ACTTTGACATTTTCTTGTTTGATCGCTTGACAAATGGGAACAGTCTGGTAACTCTGTTGTCGCCTCTT CAACTCCCATGGGCTCATCCACCATTTCAAGCTCGATATGGTGACCTTGCACAGGTTTCTGGTTATGGTT CAGGAAGATTACCACGGTCACAACCCATACCACAATGCTGTTCACGCAGCCGACGTCACCCAGGCCATGC ACTGTTACCTGAAGGAGCCAAAGTTGGCAAGCTTCCTCACACCTCTGGACATCATGCTTGGACTACTGGC TGCAGCAGCTCATGACGTGGACCACCCAGGGGTCAACCAGCCATTTTTGATCAAAACTAACCACCATCTT GCCAACCTGTATCAGAATATGTCTGTACTGGAGAATCACCACTGGCGATCTACAATTGGCATGCTTCGAG AATCACGGCTCCTGGCTCACTTGCCAAAGGAAATGACACAGGATATCGAACAGCAGCTGGGCTCCCTCAT CTTGGCCACGGATATCAACAGACAGAATGAGTTTCTGACCCGCTTAAAAGCTCACCTCCACAATAAAGAT TTGAGACTGGAGAATGTACAGGACAGACACTTTATGCTTCAGATCGCCTTGAAGTGTGCTGACATTTGCA ATCCTTGTCGTATCTGGGAGATGAGCAAGCAGTGGAGTGAAAGGGTCTGTGAGGAATTCTACAGACAAGG TGACCTTGAACAGAAGTTTGAACTGGAAATCAGTCCTCTTTGTAATCAACAGAAAGATTCAATCCCTAGC ATACAAATTGGTTTCATGACTTACATCGTGGAGCCGCTGTTCCGGGAGTGGGCCCGGTTTACTGGGAACA GCACCCTGTCGGAGAACATGCTAAGCCATCTCGCGCACAACAAAGCCCAGTGGAAGAGCCTGCTGTCCAA GGTGCCACGCCCTAA

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#### SEQ ID No. 3

MSCLMVERCGEILFENPDQNAKCVCMLGDIRLRGQTGVRAERRGSYPFIDFRLLNSTTYSGEIGTKKKVK 70
40 RLLSFQRYFHASRLLRGIIPQAPLHLLDEDYLGQARHMLSKVGMWDFDIFLFDRLTNGNSLVTLLCHLFN 140
THGLIHHFKLDMVTLHRFLVMVQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLASFLTPLDIMLGLLAA 210
AAHDVDHPGVNQPFLIKTNHHLANLYQNMSVLENHHWRSTIGMLRESRLLAHLPKEMTGTWDFDIFLFDR 280
LTNGNSLV 288

45

#### SEQ ID No. 4

#### start

stop

stop



SEQ ID No. 5 is the amino acid sequence presented as HS\_PDEXIV. For reference
the sequence MM\_PDEXIV is SEQ ID No. 1. CLUSTAL W (1.74) multiple sequence
alignment was used.

10	HS_PDEXIV MM_PDEXIV	MSCLMVERCGEILFENPDQNAKCVCMLGDIRLRGQTGVRAERRGSYPFIDFRLLNSTTYS MSCLMVERCGEVLFESPEQSVKCVCMLGDVRLRGQTGVPAERRGSYPFIDFRLLNNTTHS ***********************************
15	HS_PDEXIV MM_PDEXIV	GEIGTKKKVKRLLSFQRYFHASRLLRGIIPQAPLHLLDEDYLGQARHMLSKVGMWDFDIF GEIGTKKKVKRLLSFQRYFHASRLLRGIIPQAPLHLLDEDYLGQARHMLSKVGTWDFDIF **********************************
13	HS_PDEXIV MM_PDEXIV	LFDRLTNGNSLVTLLCHLFNTHGLIHHFKLDMVTLHRFLVMVQEDYHSQNPYHNAVHAAD LFDRLTNGNSLVTLLCHLFNSHGLIHHFKLDMVTLHRFLVMVQEDYHGHNPYHNAVHAAD ***********************************
20	HS_PDEXIV MM_PDEXIV	VTQAMHCYLKEPKLASFLTPLDIMLGLLAAAAHDVDHPGVNQPFLIKTNHHLANLYQNMS VTQAMHCYLKEPKLASFLTPLDIMLGLLAAAAHDVDHPGVNQPFLIKTNHHLANLYQNMS ************************************
25	HS_PDEXIV MM_PDEXIV	VLENHHWRSTIGMLRESRLLAHLPKEMTQDIEQQLGSLILATDINRQNEFLTRLKAHLHN VLENHHWRSTIGMLRESRLLAHLPKEMTQDIEQQLGSLILATDINRQNEFLTRLKAHLHN ***********************************
30	HS_PDEXIV MM_PDEXIV	KDLRLEDAQDRHFMLQIALKCADICNPCRIWEMSKQWSERVCEEFYRQGELEQKFELEIS KDLRLENVQDRHFMLQIALKCADICNPCRIWEMSKQWSERVCEEFYRQGDLEQKFELEIS *****:.*******************************
35	HS_PDEXIV MM_PDEXIV	PLCNQQKDSIPSIQIGFMSYIVEPLFREWAHFTGNSTLSENMLGHLAHNKAQWKSLLPRQ PLCNQQKDSIPSIQIGFMTYIVEPLFREWARFTGNSTLSENMLSHLAHNKAQWKSLLSNQ ************************************
	HS_PDEXIV MM_PDEXIV	HRSRGSSGSGPDHDHAGQGTESEEQ-EGDSP HRRRGSGQDLAGPAPETLEQTEGATP ** *** :* ** .*: ** ** :*





# SEQ ID No. 6

SEQ ID No. 6 is the nucleotide sequence presented as HS\_PDEXIV. For reference the sequence MM\_PDEXIV is SEQ ID No. 2. CLUSTAL W (1.74) multiple sequence alignment was used.

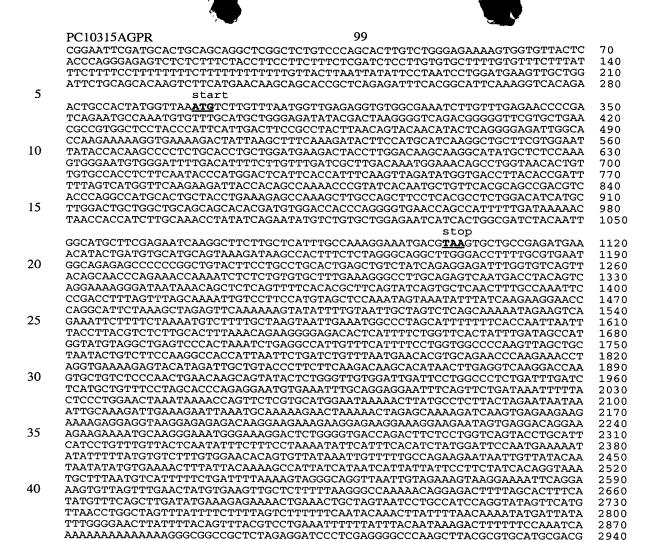
10	HS_PDEXIV MM_PDEXIV	ATGTCTTGTTTAATGGTTGAGAGGTGTGGCGAAATCTTGTTTGAGAACCCCATGTCTTGTTTAATGGTTGAGAGGTGTGGCGAAGTCTTGTTTGAGAGCCCT **********************************
15	HS_PDEXIV MM_PDEXIV	GATCAGAATGCCAAATGTGTTTGCATGCTGGGAGATATACGACTAAGGGGTCAGACGGG GAACAGAGTGTCAAATGTGTTTGCATGCTAGGAGATGTACGACTAAGGGGTCAGACGGG ** *** ** *************************
	HS_PDEXIV MM_PDEXIV	GTTCGTGCTGAACGCCGTGGCTCCTACCCATTCATTGACTTCCGCCTACTTAACAGTACA GTTCCTGCCGAACGCCGTGGCTCCTACCCATTCATTGACTTCCGTCTACTTAACAATACA *** ** *****************************
20	HS_PDEXIV MM_PDEXIV	ACATACTCAGGGGAGATTGGCACCAAGAAAAAGGTGAAAAGACTATTAAGCTTTCAAAGA ACACACTCAGGGGAAATTGGCACCAAGAAAAAGGTGAAACGACTGTTAAGTTTCCAAAGA *** ******** *********************
25	HS_PDEXIV MM_PDEXIV	TACTTCCATGCATCAAGGCTGCTTCGTGGAATTATACCACAAGCCCCTCTGCACCTGCTG TACTTCCATGCATCTAGGCTTCTCCGGGGGATTATACCGCAGGCCCCTCTCCACCTGCTG ********************************
30	HS_PDEXIV MM_PDEXIV	GATGAAGACTACCTTGGACAAGCAAGGCATATGCTCTCCAAAGTGGGAATGTGGGATTTT GATGAAGACTACCTTGGACAAGCAAGGCACATGCTCTCCAAAGTTGGAACGTGGGACTTT **********************************
35	HS_PDEXIV MM_PDEXIV	GACATTTTCTTGTTTGATCGCTTGACAAATGGAAACAGCCTGGTAACACTGTTGTGCCAC GACATTTTCTTGTTTGATCGCTTGACAAATGGGAACAGTCTGGTAACTCTGTTGTGTCAC ***********************************
40	HS_PDEXIV MM_PDEXIV	CTCTTCAATACCCATGGACTCATTCACCATTTCAAGTTAGATATGGTGACCTTACACCGA CTCTTCAACTCCCATGGGCTCATCCACCATTTCAAGCTCGATATGGTGACCTTGCACAGG *******
40	HS_PDEXIV MM_PDEXIV	TTTTTAGTCATGGTTCAAGAAGATTACCACAGCCAAAACCCGTATCACAATGCTGTTCAC TTTCTGGTTATGGTTCAGGAAGATTACCACGGTCACAACCCATACCACAATGCTGTTCAC *** * * * ******* ******** * * * * **** *
45	HS_PDEXIV MM_PDEXIV	GCAGCCGACGTCACCCAGGCCATGCACTGCTACCTGAAAGAGCCAAAGCTTGCCAGCTTC GCAGCCGACGTCACCCAGGCCATGCACTGTTACCTGAAGGAGCCAAAGTTGGCAAGCTTC **********************************
50	HS_PDEXIV MM_PDEXIV	CTCACGCCTCTGGACATCATGCTTGGACTGCTGGCTGCAGCAGCACGATGTGGACCAC CTCACACCTCTGGACATCATGCTTGGACTACTGGCTGCAGCAGCTCATGACGTGGACCAC ***** ****************************
55	HS_PDEXIV MM_PDEXIV	CCAGGGGTGAACCAGCCATTTTTGATAAAAACTAACCACCATCTTGCAAACCTATATCAG CCAGGGGTCAACCAGCCATTTTTGATCAAAACTAACCACCATCTTGCCAACCTGTATCAG ******* *****************************
	HS_PDEXIV MM_PDEXIV	AATATGTCTGTGCTGGAGAATCATCACTGGCGATCTACAATTGGCATGCTTCGAGAATCA AATATGTCTGTACTGGAGAATCACCACTGGCGATCTACAATTGGCATGCTTCGAGAATCA **********************************
60	HS_PDEXIV MM_PDEXIV	AGGCTTCTTGCTCATTTGCCAAAGGAAATGACACAGGATATTGAACAGCAGCTGGGCTCC CGGCTCCTGGCTCACTTGCCAAAGGAAATGACACAGGATATCGAACAGCAGCTGGGCTCC **** ** ***** *********************
65	HS_PDEXIV MM_PDEXIV	TTGATCTTGGCAACAGACATCAACAGGCAGAATGAATTTTTGACCAGATTGAAAGCTCAC CTCATCTTGGCCACGGATATCAACAGACAGAATGAGTTTCTGACCCGCTTAAAAGCTCAC * ****** ** ** ** ******* **********
70	HS_PDEXIV MM_PDEXIV	CTCCACAATAAAGACTTAAGACTGGAGGATGCACAGGACAGGCACTTTATGCTTCAGATC CTCCACAATAAAGATTTGAGACTGGAGAATGTACAGGACAGACA
75	HS_PDEXIV MM_PDEXIV	GCCTTGAAGTGTGCTGACATTTGCAATCCTTGTAGAATCTGGGAGATGAGCAAGCA



## SEQ ID No. 7

AGGTACGCCTGCAGGTACCGGTCCGGAATTCCCGGGTCGACCCACGCGTCCGGCCAGCCTCCCAGGCCGG	70
CTGCCTGCTCACCCAGCCAGTCGCTAGCTCTGGGCACTGCAGCAGGCTCGGCTCTGTCCCAGCGCTCGCT	140
TGCTTGCTCGCTCGCTCGGCTGGGAGAAAAGTGGTGTCCTCGCCCAGAGAGCCTCTCTCT	210
TTTCTCGAGCTCTCTGAGTCCTTTGGCGTTTCTTTCTTTC	280
TTTTTCTTTCTATAAAACTTGCATAATTATACTGCTAATCCTGGATGAGGTTGCTGGATTCTGCAGCACA	350
AATCTTCATGAACAAGCCGCACCGCTCAGAGATTTCACAGCATTCAAAGGTCACAGAACTGCCACTATGG	420
start	
TTAA <u>ATG</u> TCTTGTTTAATGGTTGAGAGGTGTGGCGAAGTCTTGTTTGAGAGCCCTGAACAGAGTGTCAAA	490
TGTGTTTGCATGCTAGGAGATGTACGACTAAGGGGTCAGACGGGGGTTCCTGCCGAACGCCGTGGCTCCT	560
ACCCATTCATTGACTTCCGTCTACTTAACAATACAACACTCAGGGGAAATTGGCACCAAGAAAAAGGT	630
GAAACGACTGTTAAGTTTCCAAAGATACTTCCATGCATCTAGGCTTCTCCGGGGGGATTATACCGCAGGCC	700
CCTCTCCACCTGCTGGATGAAGACTACCTTGGACAAGCAAG	770
ACTTTGACATTTTCTTGTTTGATCGCTTGACAAATGGGAACAGTCTGGTAACTCTGTTGTGTCACCTCTT	840
CAACTCCCATGGGCTCATCCACCATTTCAAGCTCGATATGGTGACCTTGCACAGGTTTCTGGTTATGGTT	910
CAGGAAGATTACCACGGTCACAACCCATACCACAATGCTGTTCACGCAGCCGACGTCACCCAGGCCATGC	980
ACTGTTACCTGAAGGAGCCAAAGTTGGCAAGCTTCCTCACACCTCTGGACATCATGCTTGGACTACTGGC	1050
TGCAGCAGCTCATGACGTGGACCACCCAGGGGTCAACCAGCCATTTTTGATCAAAACTAACCACCATCTT	1120
GCCAACCTGTATCAGAATATGTCTGTACTGGAGAATCACCACTGGCGATCTACAATTGGCATGCTTCGAG	1190
AATCACGGCTCCTGGCTCACTTGCCAAAGGAAATGACACAGGATATCGAACAGCAGCTGGGCTCCCTCAT	1260
CTTGGCCACGGATATCAACAGACAGAATGAGTTTCTGACCCGCTTAAAAGCTCACCTCCACAATAAAGAT	1330
TTGAGACTGGAGAATGTACAGGACAGACACTTTATGCTTCAGATCGCCTTGAAGTGTGCTGACATTTGCA	1400
ATCCTTGTCGTATCTGGGAGATGAGCAAGCAGTGGAGTGAAAGGGTCTGTGAGGAATTCTACAGACAAGG	1470
TGACCTTGAACAGAAGTTTGAACTGGAAATCAGTCCTCTTTGTAATCAACAGAAAGATTCAATCCCTAGC	1540
ATACAAATTGGTTTCATGACTTACATCGTGGAGCCGCTGTTCCGGGAGTGGGCCCGGTTTACTGGGAACA	1610
GCACCCTGTCGGAGAACATGCTAAGCCATCTCGCGCACAACAAGCCCAGTGGAAGAGCCTGCTGTCCAA	1680
TCAGCACAGACGCAGGGCAGCCAGGACCTGGCGGCCCCGCACCTGAGACCCTGGAGCAGACAGA	1750
stop	
GGTGCCACGCCC <u>TAA</u> GGTAGCTGTCTGCTGATGCACGGCCATCTGTCCGTCCACAGGAGCACGGCCATCC	1820
GTCCGACTGCCCTCGCAACAAGCCCATCACGCTGGGTTTCGATGCCATCCGCCTGCCACTTACCGCCTCC	1890
CTTCGTTGATCCAAGTGTACAAAAGCCATTGTCACCTCAGCATTAGCTGCCGAAATGGGCGGCTCTATCC	1960
CGTCATTGGAGCTGATTCTGGGGCGGCTGCCCCAACCGAAACGCCTGGAAGTAAGAAAGGGGTGCTTCTG	2030
CCGTGTTCGCCTCTGGCCCTTGGTCACGCTGACTGGCAGTAGCTCCTAAGTCCAGAGCATTTTAACGTTT	2100
GCCATCGGACAGCTGACCTGCATGACACCAGCATACTTGGAACTGCAAAACTGGTCTTGCGTGCCAGAGC	2170
ACAAACGAGAGTGTGAGAGAAAGTACCTTCTATTTTAATAATAATTATTATTATTAAAAATAAT	2240
TTAACTTTTATATTTCATGCACCAGACAATGGGTCTAAAACTTTGGACAAGTAATACTCTGCGTACCCAA	2310
ACCTAAGAGGGGGTTCATTATTTTGCTATTGACTCTATGCCACATTGGGTCCGAGATGTGGCACCATTGC	2380
GATTTCTGAAACCACGCGTCCCCTCCCATCTGGTGGAAGGTGCTGTACAGCCCGTCCCTTTGCACCGTTA	2450
GCCAATCCGTCTTTTACGGATTCAGTGACCTGTTTATATTCACAAGTGTACATTTTCTGTAAATACCAAA	2520
CGCTACTGATTCCCATGCCAAAATACACGAGTATTATGGGATTGCTACCTGTATAAACAATGGCACTGTG	2590
AACAGAATACTGTTAGTTTTAATACAAGAGAATGCATTTGTAAATATGGTATAGAGTTTATTAATATACT	2660
GTTGTTCGCAGATAAAGGCCTTAACTTTAAAAAAAAAAA	2730
CGGCCGCTCTAGAGGATCCCTCGAGGGGCCCAAGCTTACGCGTGCATGCGACGTCATAGCTCTCCCTA	2800
TAGTGAGTCGTATTATAAGCTAG 2823	

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TCATAGCTCTCTCTCTATAGTGAGTCGTATTATAAGCTAGGCACTGGCCGTC 2992

SEQ ID No. 9

See Formula I